

BEST AVAILABLE COPYSerial No. 10/689,826
Docket No. 26503.0800**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0009] with the following amended paragraph:

[0009] In accordance with one aspect of the present invention, a polymer sheath delivery system for medical devices and therapeutic drugs includes a sheath that inverts back and forth to engulf and load medical devices and therapeutic drugs. The inverting membrane sheath may be made of a fluoropolymer resin or fluoro-alloy such as polytetrafluoroethylene (PTFE), for example as may be used in other ~~Memecath™~~ MEMCATH® devices and products or similarly performing polymer materials. The membrane sheath may deploy the medical device or drug to the desired position in the body where the medical device or drug was inserted, positioned, and enveloped into the membrane sheath. For example, three centimeters from the leading edge into the sheath equals three centimeters depth into the body.

Please replace paragraph [0045] with the following amended paragraph:

Referring now to Figure 1, a membrane sheath 3 in accordance with one aspect of the present invention is shown. Membrane sheath 3 suitably comprises a thin, flexible polymeric substrate such as ~~Memecath's™~~ slip enhanced Generation II PTFE film available from MEMCATH TECHNOLOGIES LLC. However, membrane sheath 3 may suitably comprise other similarly performing polymer substrates such as fluorinate ethylene propylene (FEP), perfluoroalkoxy (PFA), other PTFE films, and the like. Advantageously, membrane 3 has sufficient lubricity to smoothly slide out of and over the exterior of, for example, a tube 4 as illustrated in Figures 2-5. Thus, any suitable material having sufficient slip, strength, integrity, flexibility and lubricity may be utilized in accordance with the present invention to form membrane 3, provided the material has sufficient strength and flexibility to be medically acceptable when in use.